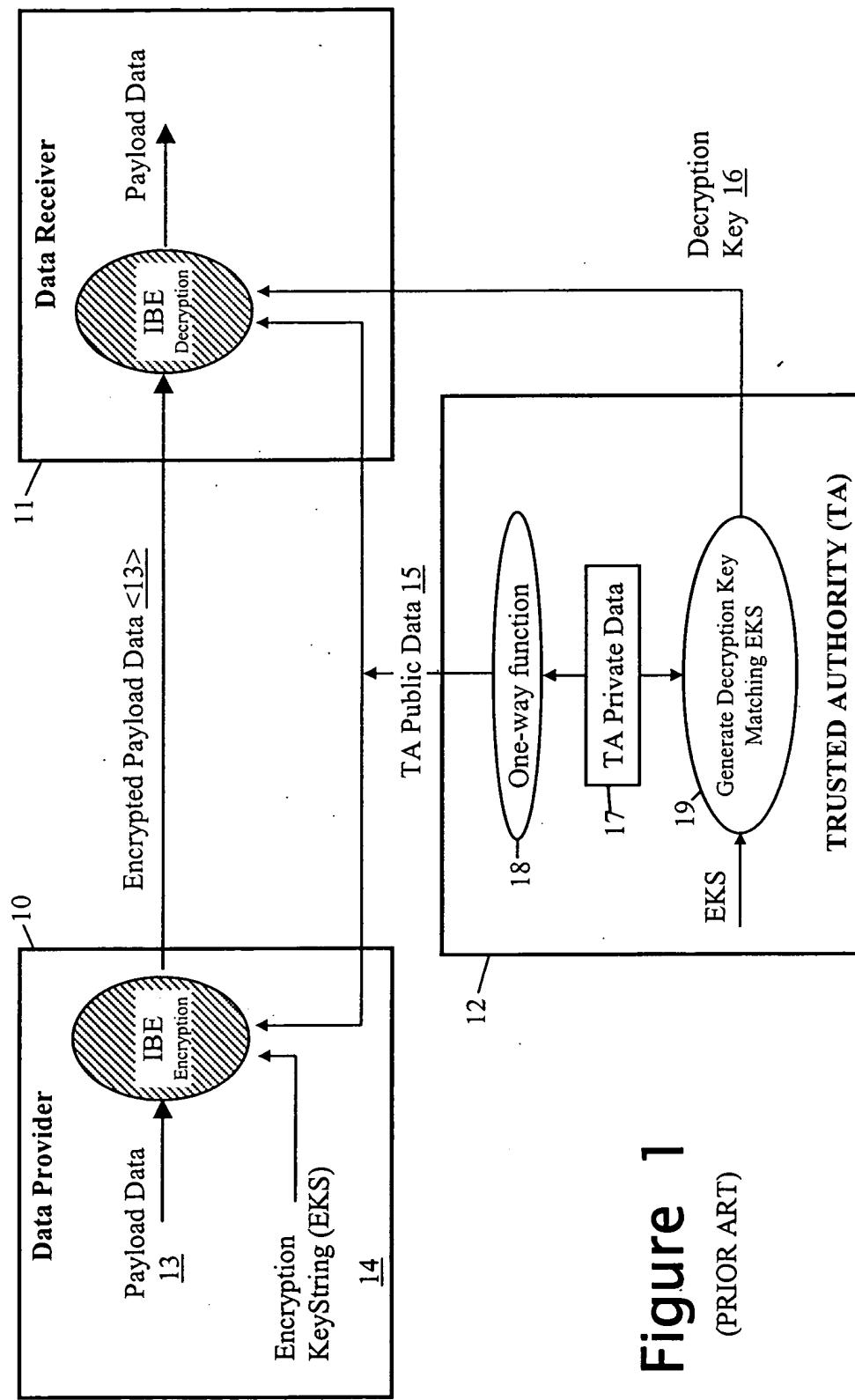
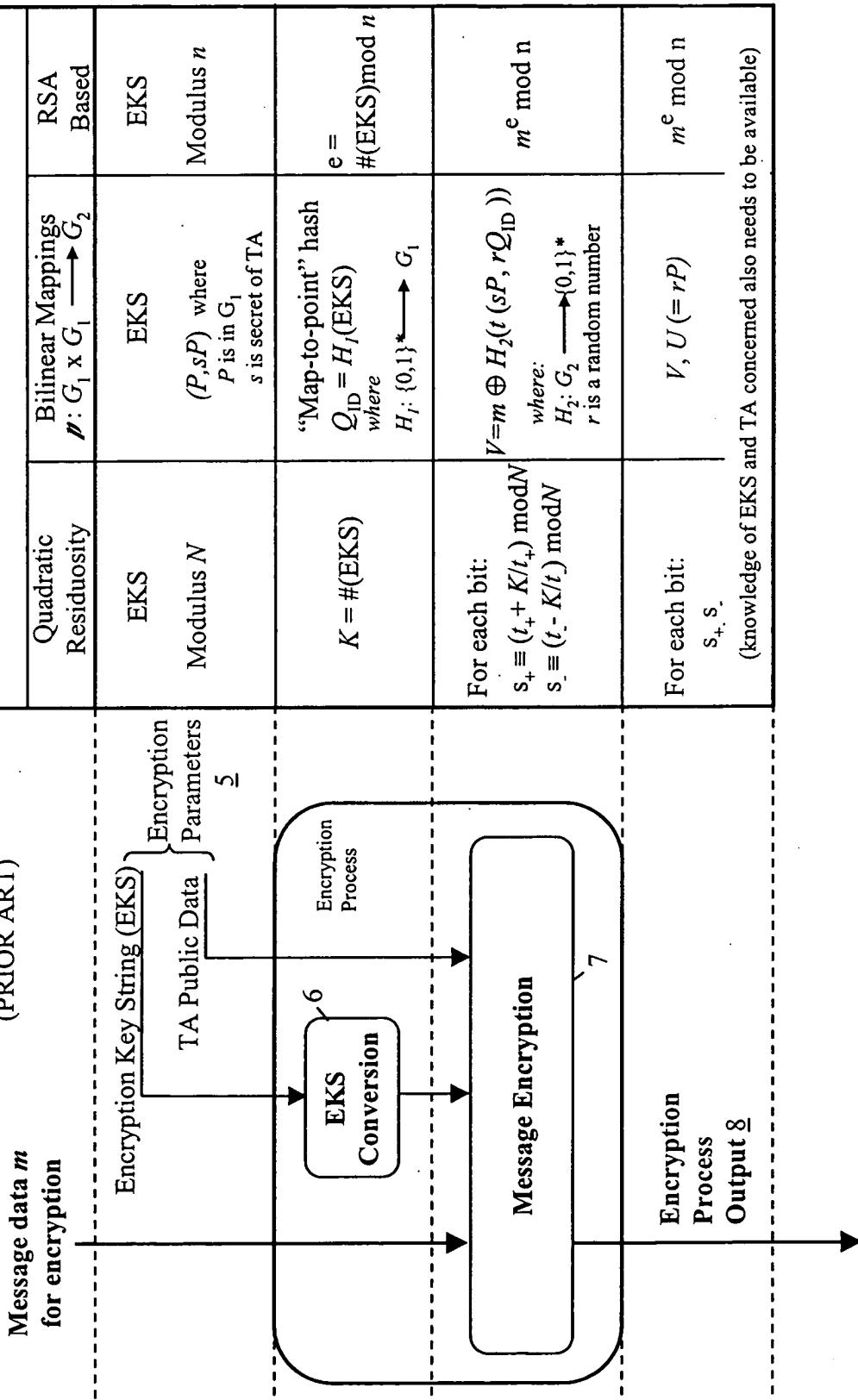


1 / 5



**Figure 1**  
(PRIOR ART)

**Figure 2**  
(PRIOR ART)



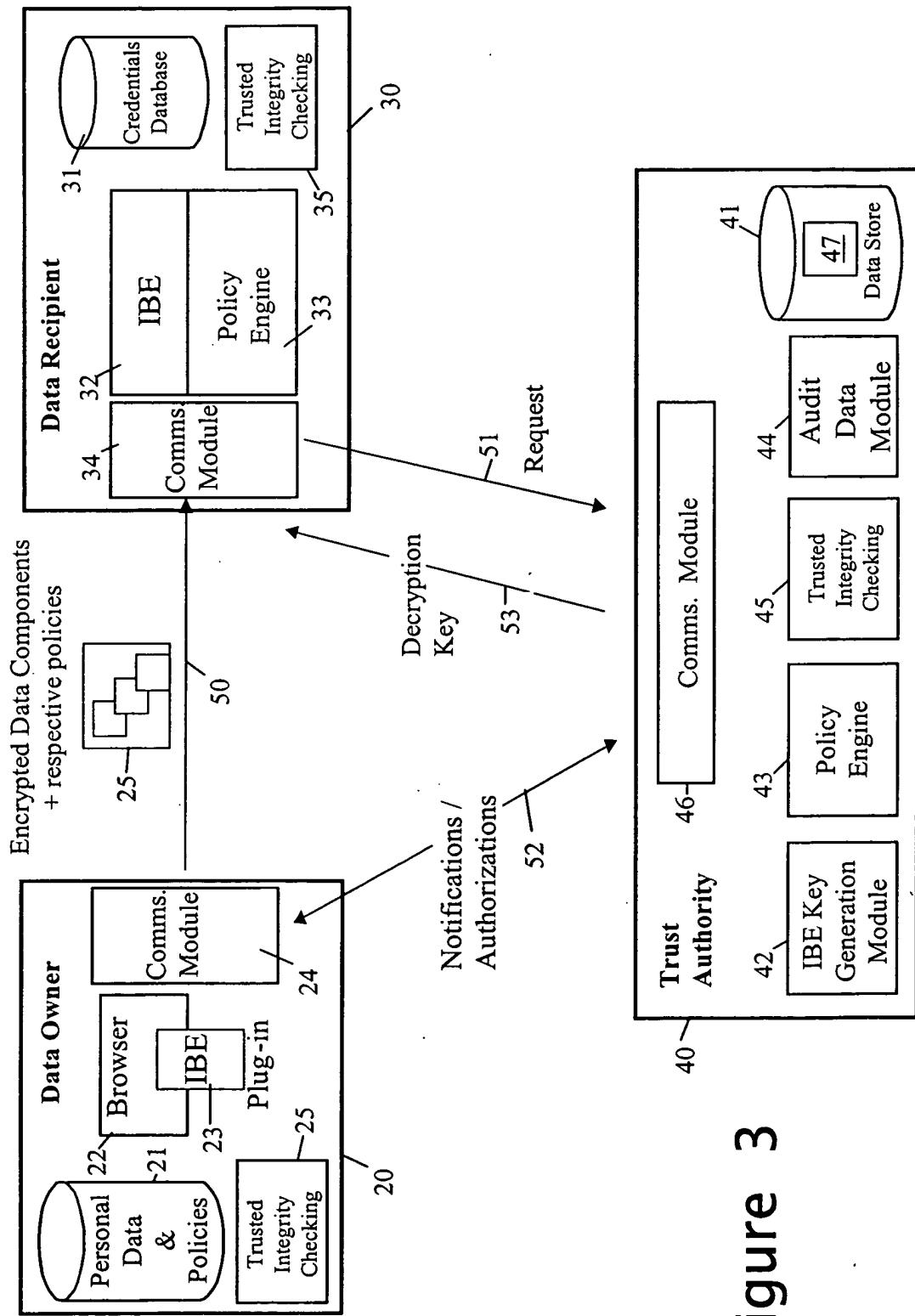


Figure 3

# 4/5

25

```
<data package>
  <data component> // profile - attribute 1 & related policy
```

```
  <policy> //DISCLOSURE POLICY
```

```
    <Trusted Authority> //TA
```

*address and location of the Trusted Authority*

```
    </Trusted Authority>
```

```
    <owner> //owner
```

```
      <reference name> //reference name – IBE public key
```

*pseudonym1*

```
      </reference name>
```

```
      <owner's details>
```

*encrypted call back address* //encrypted call back address

```
      <owner's details> //by using the user's reference name
```

```
    </owner>
```

```
    <target> //policy/attribute name
```

*name of the identity or profile attribute*

```
    </target>
```

```
    <validity> //validity
```

*expiration date*

```
    </validity>
```

```
    <constraint> //constraints
```

*require\_strong\_X.509\_authentication*

```
    </constraint>
```

```
    <constraint>
```

*allow\_usage\_of\_data\_#1*

```
    </constraint>
```

```
    <action> //actions
```

*notify\_owner*

```
    </action>
```

```
  </policy>
```

```
  <encrypted data> //ENCRYPTED DATA (Attribute 1)
```

*encrypted attribute 1 value, using the above policy as IBE public key*

```
  </encrypted data>
```

26

27

```
  </data component>
</data package>
```

Figure 4

5/5

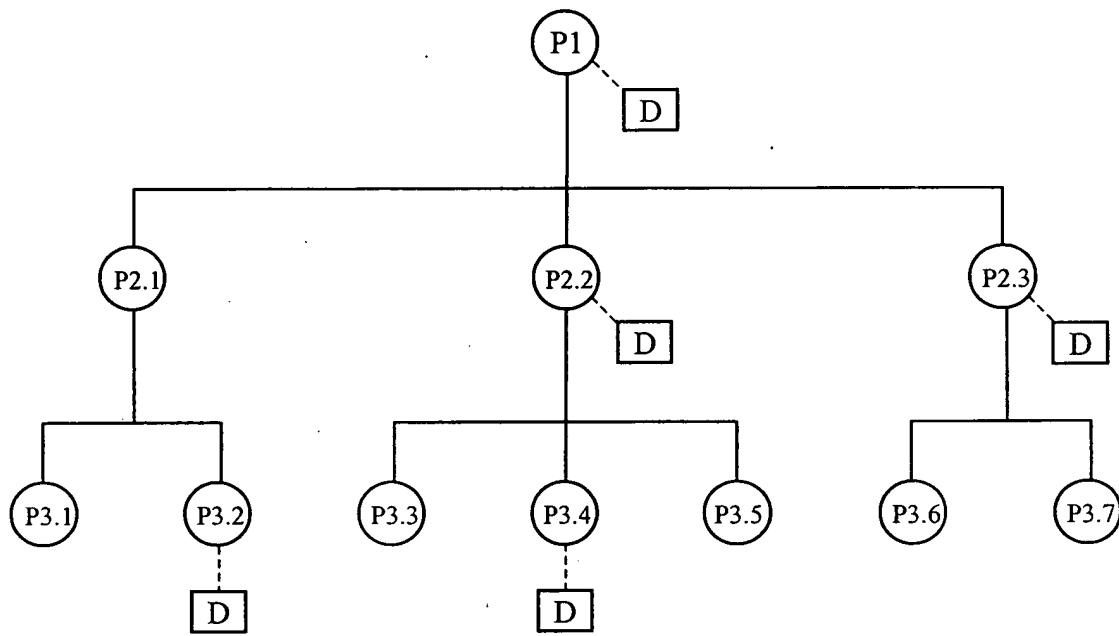


Figure 5